

**ALPHA WIRE
CDC PRODUCT SPECIFICATION**

Part Number: 18-1970	Issue: 1
Page 1 of 2 Pages	Issue Date: 7/18/2018
	Effective Date: 9/12/2018

- A. Construction** Diameters (In)
- 1) Component 1 1 X 1 PAIR
- a) Conductor 22 (19/34) AWG Tinned Copper 0.032
- b) Insulation 0.007" Wall, Nom. Modified Polyphenylene Ether-PE 0.046
- (1) Color Code Alpha Wire Color Code B

Pair	Color	Pair	Color	Pair	Color
1	WHITE-BLACK				

- c) Pair 2/Cond Cabled Together
- (1) Twists: 9.6 Twists/foot (min)
- 2) Component 2 6 X 1 PAIR
- a) Conductor 22 (19/34) AWG Tinned Copper 0.032
- b) Insulation 0.007" Wall, Nom. Modified Polyphenylene Ether-PE 0.046
- (1) Color Code Alpha Wire Color Code A

Pair	Color	Pair	Color	Pair	Color
1	BLACK-RED	3	BLACK-GREEN	5	BLACK-BROWN
2	BLACK-WHITE	4	BLACK-BLUE	6	BLACK-YELLOW

- c) Pair 2/Cond Cabled Together
- (1) Twists: 9.6 Twists/foot (min)
- Individually Applied:
- d) Shield: Foil Free Alum/Mylar Tape, 25% Overlap, Min.
- (1) Foil Direction Foil Facing In
- (2) Drain Wire 22 (7/30) AWG Tinned Copper
- 3) Cable Assembly 7 Components Cabled
- a) Twists: 3.2 Twists/foot (min)
- b) Orientation: Components to be arranged from INSIDE LAYER to OUTSIDE LAYER
- c) Core Wrap Nonwoven Polyester Tape, 25% Overlap, Min.
- 4) Shield Tinned Copper BRAID Shield, 85% Coverage, Min.
- 5) Jacket 0.015" Wall, Nom., Modified Polyphenylene Ether-PE 0.314 (0.329 Max.)
- a) Color(s) BLUE
- b) Ripcord 1 End 810 Denier Nylon
- c) Jacket Separator Nonwoven Polyester Tape, 25% Overlap, Min.
- d) Print ALPHA WIRE-* P/N 18-1970 1PR 22 AWG 6PR 22 AWG
RU AWM 21460 80C 300V VW-1
C(RU) AWM I A/B FT1 80C 300V
CE ROHS (SEQ FOOTAGE)
* = Factory Code

B. Applicable Specifications

- 1) UL AWM/STYLE 21460 80°C / 300 V_{RMS}
VW-1
- 2) CSA International C(RU) AWM I A/B FT1 80°C / 300 V_{RMS}
- 3) Other Halogen-Free
NFPA 79 - 2015 Compliant
- 4) CE: EU Low Voltage Directive 2014/35/EU

C. Environmental Compliance

- 1) CE: EU Directive 2011/65/EU(RoHS2):
This product complies with European Directive 2011/65/EU (RoHS Directive) of the European Parliament and of the Council of 8 June 2011 and the amending Directive 2015/863/EU of 4 June 2015. No Exemptions are required for RoHS Compliance on this item. Consult Alpha Wire's web site for RoHS C of C.
- 2) REACH Regulation (EC 1907/2006): This product does not contain Substances of Very High Concern (SVHC) listed on

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